UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

P O Box 1450 Alexandria, Virgima 22313-1450 www.usplo.gov

# NOTICE OF ALLOWANCE AND FEE(S) DUE

2292 7590 05/28/2010 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

EDWARDS, LYDIA E

ART UNIT PAPER NUMBER

1797

DATE MAILED: 05/28/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/542,189	07/14/2005	Shiro Kanegasaki	1752-0172PUS1	2696	
TITLE OF INVENTION: APPARATUS FOR DETECTING CELL CHEMOTAXIS					

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/30/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including ad below or directed oth tions.	for transmitting the IS	SUE FEE and PUBLICATI orders and notification of r (a) specifying a new corres	ON FEE (if require naintenance fees will spondence address; a	<ul> <li>d). Blocks 1 through 5 s</li> <li>l be mailed to the current nd/or (b) indicating a sep</li> </ul>	should be completed where t correspondence address a arate "FEE ADDRESS" fo	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Feet	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mus- have its own certificate of mailing or transmission.			
PO BOX 747	7590 05/28 ART KOLASCH TH, VA 22040-0747	& BIRCH	I be	Certify	icate of Mailing or Trans	smission g deposited with the United st class mail in an envelope above, or being facsimile date indicated below.	
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	Α	TTORNEY DOCKET NO.	CONFIRMATION NO.	
10/542,189	07/14/2005		Shiro Kanegasaki	•	1752-0172PUS1	2696	
TITLE OF INVENTION	: APPARATUS FOR DI	ETECTING CELL CH					
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE I		DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/30/2010	
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
EDWARDS		1797	435-288300				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATA	inge of Correspondence  "Indication form and. Use of a Customer A TO BE PRINTED ON	THE PATENT (print or typ	rely, e firm (having as a magent) and the names rneys or agents. If no printed.	sember a 2 of up to name is 3	document has been filed for	
recordation as set forth (A) NAME OF ASSIC	GNEE		ee data will appear on the p OT a substitute for filing an  (B) RESIDENCE: (CITY  printed on the patent):	and STATE OR CO	UNTRY)	oup entity 🚨 Government	
4a. The following fee(s) a  ☐ Issue Fee ☐ Publication Fee (N ☐ Advance Order - #	o small entity discount p		4b. Payment of Fee(s): (Plea  A check is enclosed.  Payment by credit car  The Director is hereby overpayment, to Depo	d. Form PTO-2038 is authorized to charge	s attached. the required fee(s), any de		
	s SMALL ENTITY state	as. See 37 CFR 1.27.			ENTITY status. Sec 37 C		
interest as shown by the r	n Publication Fee (if requeecords of the United Sta	uired) will not be accep ites Patent and Tradema	ted from anyone other than t rk Office.	ne appucant; a registe	erea attorney or agent; or t	ne assignee or other party ir	
Authorized Signature				Date			
Typed or printed name				Registration No.			
This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C itality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	CFR 1.311. The informa U.S.C. 122 and 37 CF USPTO. Time will varden, should be sent to O NOT SEND FEES OF	tion is required to obtain or r R 1.14. This collection is est ry depending upon the indiv the Chief Information Office R COMPLETED FORMS TO	etain a benefit by the imated to take 12 min idual case. Any comer, U.S. Patent and Tr D THIS ADDRESS.	public which is to file (an nutes to complete, including ments on the amount of ti ademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process ng gathering, preparing, and me you require to complete sartment of Commerce, P.O. for Patents, P.O. Box 1450	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



# UNITED STATES PATENT AND TRADEMARK OFFICE

#### UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

P O Box 1450 Alexandra, Virgima 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,189	10/542,189 07/14/2005 Shiro Kanegasaki		1752-0172PUS1	2696
2292	590 05/28/2010	28/2010 EXAMINER		IINER
BIRCH STEWART KOLASCH & BIRCH			EDWARDS	S, LYDIA E
PO BOX 747 FALLS CHURCH, VA 22040-0747			ART UNIT PAPER NUMBER	
			1797	

DATE MAILED: 05/28/2010

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 428 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 428 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)		
0/542,189	KANEGASAKI, SHII	RO	
xaminer	Art Unit		

	LYDIA EDWARDS	1797	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to and MPEP 1308.	olication. If not include will be mailed in due	ed course. THIS
This communication is responsive to <u>the amendment filed</u> .	<u>4/30/2010</u> .		
2. The allowed claim(s) is/are 24-47.			
3.   Acknowledgment is made of a claim for foreign priority ur  a)   All b) □ Some* o) □ None of the:  1. □ Certified copies of the priority documents have  2. □ Certified copies of the priority documents have  3. ☒ Copies of the certified copies of the priority documents have  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received: □	been received.		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
CORRECTED DRAWINGS (as "replacement sheets") mus  (a)   including changes required by the Notice of Draftspers  1)   hereto or 2)   to Paper No./Mail Date	on's Patent Drawing Review (PTO- .  3 Amendment / Comment or in the C  .34(c)) should be written on the drawin he header according to 37 CFR 1.121(c  sit of BIOLOGICAL MATERIAL n	office action of ngs in the front (not the l). nust be submitted. !	ė <i>"</i>
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	5. Notice of Informal P. 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme	(PTO-413), ie nent/Comment	
4.     Examine & Comment Regarding Requirement for Deposit	<ul> <li>o. M Examiner's Stateme</li> </ul>	anto reasons for Alic	waite

of Biological Material

9. Other \_\_\_

Art Unit: 1797

### DETAILED ACTION

#### Response to Arguments

Applicant's arguments, see amendment, filed 4/30/2010, with respect to the objections of claims 24-25 have been fully considered and are persuasive. The objections of claims 24-25 has been withdrawn.

# Allowable Subject Matter

Claims 24-47 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding Claim 24, the closest prior art is represented by Kricka et al. who discloses an apparatus for detecting chemotaxis of cells which comprises; receiving well 32 (a cell-holding well having an opening for injecting cells); target chamber 22 (a specimen-holding well having an opening for injecting a specimen); mesoscale flow channel 20 and mesoscale filter 24 (a channel which connects said cell-holding well and specimen-holding well up with each other and has resistance to the passage of cells); delivery apparatus 110, such as a pipette or syringe; and removable seal 30a and sealant 30b (a means of sealing said opening(s) in one or both of said cell-holding well and said specimen holding well).

However, Kricka et al, fails to disclose or suggest a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well. Kricka et al, also fails to disclose or suggest wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cell- holding well, an aspiration discharge pipe joined to said specimen-holding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated and therefore teaches away from the instant claim which requires a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of

Art Unit: 1797

said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cell-holding well, an aspiration discharge pipe joined to said specimen-holding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated.

Harrison et al. discloses a microfluidic system that is used to study the effects of compounds on individual cells comprising: a cell-holding well having an opening for injecting cells [6]; a specimen-holding well having an opening for injecting a specimen [6']; a channel [2] which connects said cell-holding well and specimen-holding well up with each other and a means for transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said means of transporting said liquid and stopping the transportation thereof is connected to said cell-holding well and/or said specimen-holding well via an injection pipe (syringe) and/or an aspiration discharge pipe (syringe). Harrison et al. like Kricka et al, also fails to disclose or suggest wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cell-holding well, an aspiration discharge pipe joined to said specimen-holding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated and therefore teaches away from the instant claim

Claim 25 depends on these distinctive features.

Regarding Claim 26, the closest prior art is represented by Kricka et al. who discloses an apparatus for detecting chemotaxis of cells which comprises; receiving well 32 (a cell-holding well having an opening for injecting cells); target chamber 22 (a

Art Unit: 1797

specimen-holding well having an opening for injecting a specimen); mesoscale flow channel 20 and mesoscale filter 24 (a channel which connects said cell-holding well and specimen-holding well up with each other and has resistance to the passage of cells); delivery apparatus 110, such as a pipette or syringe; and removable seal 30a and scalant 30b (a means of scaling said opening(s) in one or both of said cell-holding well and said specimen holding well).

However, Kricka et al, fails to disclose or suggest a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well. Kricka et al, also fails to disclose or suggest wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cell-holding well, an aspiration discharge pipe joined to said specimenholding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated and therefore teaches away from the instant claim which requires a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cellholding well, an aspiration discharge pipe joined to said specimen-holding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated.

Harrison et al. discloses a microfluidic system that is used to study the effects of compounds on individual cells comprising: a cell-holding well having an opening for injecting cells [6]; a specimen-holding well having an opening for injecting a specimen [6']; a channel [2] which connects said cell-holding well and specimen-holding well up with each other and a means for transporting said liquid from said cell-holding well to

Art Unit: 1797

said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said means of transporting said liquid and stopping the transportation thereof is connected to said cell-holding well and/or said specimen-holding well via an injection pipe (syringe) and/or an aspiration discharge pipe (syringe). Harrison et al. like Kricka et al, also fails to disclose or suggest wherein said cell-holding well and said specimen-holding well are connected via an injection pipe joined to said cell-holding well, an aspiration discharge pipe joined to said specimen-holding well and said means of transporting a liquid and a stopper to stop the transportation thereof between said pipes, to form a structure in which said liquid is circulated and therefore teaches away from the instant claim.

Claims 27-32 depends on these distinctive features.

Regarding Claim 33, the closest prior art is represented by Kricka et al. who discloses an apparatus for detecting chemotaxis of cells which comprises; receiving well 32 (a cell-holding well having an opening for injecting cells); target chamber 22 (a specimen-holding well having an opening for injecting a specimen); mesoscale flow channel 20 and mesoscale filter 24 (a channel which connects said cell-holding well and specimen-holding well up with each other and has resistance to the passage of cells); delivery apparatus 110, such as a pipette or syringe; and removable seal 30a and sealant 30b (a means of sealing said opening(s) in one or both of said cell-holding well and said specimen holding well).

However, Kricka et al, fails to disclose or suggest a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well. Kricka et al, also fails to disclose or suggest wherein said cell-holding well has an injection pipe while said specimen-holding well has an aspiration discharge pipe and a specimen injection port is sealed with a flexible stopper

Art Unit: 1797

and wherein the injection pipe and said aspiration discharge pipe are connected by a means of transporting which circulates a liquid in a single direction and therefore teaches away from the instant claim which requires a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said cell-holding well has an injection pipe while said specimen-holding well has an aspiration discharge pipe and a specimen injection port is sealed with a flexible stopper and wherein the injection pipe and said aspiration discharge pipe are connected by a means of transporting which circulates a liquid in a single direction.

Harrison et al. discloses a microfluidic system that is used to study the effects of compounds on individual cells comprising: a cell-holding well having an opening for injecting cells [6]; a specimen-holding well having an opening for injecting a specimen [6']; a channel [2] which connects said cell-holding well and specimen-holding well up with each other and a means for transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said means of transporting said liquid and stopping the transportation thereof is connected to said cell-holding well and/or said specimen-holding well via an injection pipe (syringe) and/or an aspiration discharge pipe (syringe). Harrison et al. like Kricka et al, also fails to disclose or suggest wherein said cell-holding well has an injection pipe while said specimen-holding well has an aspiration discharge pipe and a specimen injection port is sealed with a flexible stopper and wherein the injection pipe and said aspiration discharge pipe are connected by a means of transporting which circulates a liquid in a single direction and therefore teaches away from the instant claim.

Claims 34-39 depends on these distinctive features.

Art Unit: 1797

Regarding Claim 40, the closest prior art is represented by Kricka et al. who discloses an apparatus for detecting chemotaxis of cells which comprises; receiving well 32 (a cell-holding well having an opening for injecting cells); target chamber 22 (a specimen-holding well having an opening for injecting a specimen); mesoscale flow channel 20 and mesoscale filter 24 (a channel which connects said cell-holding well and specimen-holding well up with each other and has resistance to the passage of cells); delivery apparatus 110, such as a pipette or syringe; and removable seal 30a and sealant 30b (a means of sealing said opening(s) in one or both of said cell-holding well and said specimen holding well).

However, Kricka et al, fails to disclose or suggest a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well. Kricka et al, also fails to disclose or suggest wherein said cell-holding well having an opening for injecting cells and a specimen-holding well having an opening for injecting a specimen which are formed by a substrate having a raised bank in the middle thereof and a glass substrate and are divided into each other by said raised bank and therefore teaches away from the instant claim which requires a means of transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said cellholding well having an opening for injecting cells and a specimen-holding well having an opening for injecting a specimen which are formed by a substrate having a raised bank in the middle thereof and a glass substrate and are divided into each other by said raised bank.

Harrison et al. discloses a microfluidic system that is used to study the effects of compounds on individual cells comprising: a cell-holding well having an opening for injecting cells [6]; a specimen-holding well having an opening for injecting a specimen

Art Unit: 1797

[6']; a channel [2] which connects said cell-holding well and specimen-holding well up with each other and a means for transporting said liquid from said cell-holding well to said specimen-holding well by an injection or an aspiration discharge of said liquid and then stopping the transportation of said liquid after said injection or said aspiration discharge of said liquid in order to control a position of each cell in said cell-holding well; wherein said means of transporting said liquid and stopping the transportation thereof is connected to said cell-holding well and/or said specimen-holding well via an injection pipe (syringe) and/or an aspiration discharge pipe (syringe). Harrison et al. like Kricka et al, also fails to disclose or suggest wherein said cell-holding well having an opening for injecting cells and a specimen-holding well having an opening for injecting a specimen which are formed by a substrate having a raised bank in the middle thereof and a glass substrate and are divided into each other by said raised bank and therefore teaches away from the instant claim.

Claims 41-47 depends on these distinctive features.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 1797

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LYDIA EDWARDS whose telephone number is (571)270-3242. The examiner can normally be reached on Mon-Thur 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on 571.272.1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/LYDIA EDWARDS/ Examiner Art Unit 1797

LE

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797